OIPE JC18
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PATENT & TRADEMARK OFFICE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ford B. Grigg

Serial No.: 10/680,391

Filed: October 7, 2003

For: SEMICONDUCTOR DEVICE ASSEMBLIES INCLUDING INTERPOSERS WITH DAMS PROTRUDING THEREFROM

Confirmation No.: 5860

Examiner: C. Chu

Group Art Unit: 2815

Attorney Docket No.: 2269-3933.3US
(99-0086.03/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

November 1, 2004
Date

Signature

Rachael Harris
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of U.S. patents are not being provided pursuant to M.P.E.P. 609 III A(2). Copies of foreign patent documents and non-patent literature are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

U.S. Patent No.	Publication Date	Patentee
4,143,456	03/1979	Inoue
4,218,701	08/1980	Shirasaki
4,843,036	06/1989	Schmidt et al.
5,173,220	12/1992	Reiff et al.
5,259,793	11/1993	Yamada et al.
5,264,061	11/1993	Juskey et al.
5,278,442	01/1994	Prinz et al.
5,336,931	08/1994	Juskey et al.
5,484,314	01/1996	Farnworth
5,574,310	11/1996	Sono et al.
5,705,117	01/1998	O'Connor et al.
5,714,800	02/1998	Thompson
5,714,802	02/1998	Cloud et al.
5,719,440	02/1998	Moden
5,767,443	06/1998	Farnworth et al.
5,793,116	08/1998	Rinne et al.
5,834,830	11/1998	Cho
5,866,949	02/1999	Schueller
5,920,118	07/1999	Kong
5,965,933	10/1999	Young et al.

5,977,640	11/1999	Bertin et al.
5,994,166	11/1999	Akram et al.
5,999,413	12/1999	Ohuchi et al.
6,013,946	01/2000	Lee et al.
6,091,140	07/2000	Toh et al.
6,124,407	09/2000	Lee et al.
6,222,263	04/2001	Sherif et al.
6,239,013	05/2001	Hotchkiss
6,300,165	10/2001	Castro
6,372,552	04/2002	Kinsman et al.
6,380,557	04/2002	Takahara
6,448,664	09/2002	Tay et al.
6,489,183	12/2002	Farnworth
6,522,019	02/2003	Tay et al.

Foreign Patent Documents

Document No.	Publication Date	Patentee
EP 0692823-A1	11/1994	Selna
JP 199716954	01/1997	Sato et al.

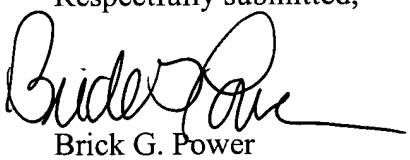
Other Documents

Edwards et al., "Thermal Performance of Tape Based Ball Grid Array Over Moded Packages," 14th IEEE Semi-Therm Symposium, 0-7803-4486, 3/98, pp. 169-175.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits, and therefore no fee is due.

Respectfully submitted,



Brick G. Power
Registration No. 38,581
Attorney for Applicant(s)
TRASKBRITT
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: November 1, 2004
BGP/ps:rh

Enclosures: Form PTO-1449
Copy of non-U.S. patent documents cited

Document in ProLaw

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Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
2269-3933.3US (99-0086.03/US)	**10/680,391**
Applicant **Ford B. Grigg**	
Filing Date **October 7, 2003**	Group Art Unit **2815**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	4,843,036	06/1989	Schmidt et al.			
	5,173,220	12/1992	Reiff et al.			
	5,259,793	11/1993	Yamada et al.			
	5,264,061	11/1993	Juskey et al.			
	5,278,442	01/1994	Prinz et al.			
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	5,484,314	01/1996	Farnworth			
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FOREIGN PATENT DOCUMENTS

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	EP 0692823-A1	11/1994	Selna				
	JP 199716954	01/1997	Sato et al.			X	

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		Edwards et al., "Thermal Performance of Tape Based Ball Grid Array Over Moded Packages," 14th IEEE Semi-Therm Symposium, 0-7803-4486, 3/98, pp. 169-175.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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	6,124,407	09/2000	Lee et al.			
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	6,239,013	05/2001	Hotchkiss			
	6,300,165	10/2001	Castro			
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	6,380,557	04/2002	Takahara			
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